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DIALOG(R) File 351:Derwent WPI
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WPI Acc No: 2003-527081/200350

XRAM Acc No: C03-142044

Thermoplastic elastomer composition, used for packing, sealant, gasket and plug material, comprises an isobutylene-based block copolymer and an

unsaturation-modified isobutylene-based polymer composition

Patent Assignee: KANEKA CORP (KANF)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002226667	A	20020814	JP 200126661	A	20010202	200350 B

Priority Applications (No Type Date): JP 200126661 A 20010202

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002226667	A		8	C08L-053/00	

JP 2002226667 A 8 C08L-053/00

Abstract (Basic): JP 2002226667 A

NOVELTY - Thermoplastic elastomer composition (I) comprises:

- (A) an isobutylene-based polymer block copolymer mainly containing (a) isobutylene polymer block and (b) aromatic vinyl polymer block; and
(B) an unsaturation-modified isobutylene-based polymer composition.

USE - Used in for packing, sealant, gasket and plug material.

ADVANTAGE - Product flexibility, moldability, rubber properties, mechanical strength, gas barrier ability and close sealing ability, and permanent set performance, well used for packing, sealing and plug applications.

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Technology Focus:

TECHNOLOGY FOCUS - POLYMERS - Preferred Composition: Modified block

copolymer (B) is made by modification of the block copolymer (A) with acid chloride and/or acid anhydrides. Said acid chlorides is methacrylic acid chloride and said acid anhydride is acetic anhydride.

Preferred Components: A lubricant (C) is added in addition to the composition.

Title Terms: THERMOPLASTIC; ELASTOMER; COMPOSITION; PACK; SEAL; GASKET; PLUG; MATERIAL; COMPRISE; ISOBUTYLENE; BASED; BLOCK; COPOLYMER; UNSATURATED; MODIFIED; ISOBUTYLENE; BASED; POLYMER; COMPOSITION

Derwent Class: A17; A88; A92; G04

International Patent Class (Main): C08L-053/00

International Patent Class (Additional): C08F-002/44; C08F-008/10;

C08F-290/12; C08J-003/24

File Segment: CPI

Manual Codes (CPI/A-N): A04-C01A; A04-G05; A07-A02D; A10-E03; A10-E23;

G04-B02
Polymer Indexing (PS):
<01>
001 018; R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58
D76
D88; R00966 G0055 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58
D84
; H0066 H0044 H0011; L9999 L2528 L2506; L9999 L2664 L2506;
S9999
S1434; H0135 H0124; M9999 M2073; M9999 M2299; L9999 L2391;
L9999
L2153-R; L9999 L2062; L9999 L2299; M9999 M2153-R; P1150 ; P1741
002 018; R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58
D76
D88; R00429 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D85;
H0022
H0011; H0135 H0124; H0124-R; S9999 S1434; H0044-R H0011; P0328
;
P1741 ; P0395 ; P0408 ; P0419
003 018; ND03; ND01; Q9999 Q9018; Q9999 Q9007; B9999 B4035 B3930
B3838
B3747; B9999 B5298-R B5276; B9999 B4864 B4853 B4740; B9999
B4091-R
B3838 B3747; B9999 B3623 B3554; B9999 B3872 B3838 B3747
004 018; R01466 G0511 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D64
D69
D84 F40 C1 7A; R00840 D01 D11 D10 D50 D65 D84 F39; H0226
005 018; R01677 D00 D70 A1 3A C1 7A; C999 C022 C000; C999 C271
006 018; R01701 G3269 D00 D70 Sn 4A C1 7A; C999 C033 C000; C999
C293
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S2 1 PN=JP 2002226665

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